

## Summary of DAT Conference Call 1/2/2008

Participants: EChappell(DWR), JSpeegle(FWS),  
JWhite(DFG), AChu(DWR), JSnow(WWD),  
BOppenheim(NOAA), JAdib-Samii(DFG),  
BPoytress(FWS), THinojosa(DWR), LShih(CCWD),  
LBartoo(FWS), NHindman(FWS),  
FBrewster(SCVWA), RMayfield(DFG), RSitts(MWD),  
TBoardman(SLDMWA)

### Conclusions and Recommendation

NOAA sent out the letter on the winter-run Juvenile Production Estimate (JPE) last week. For 2008 the JPE for winter-run entering the delta is 589,911. The incidental take level for the Delta Fish Facilities is 2% of the winter-run entering the delta which is an expanded loss of 11,798.

In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.a(1) on December 28<sup>th</sup>. This action commences within 3 days of the turbidity exceeding 12ntu at one of three locations, Prisoner's Point, Holland Tract, or Victoria Canal unless Sacramento River flows at Freeport exceed 80,000cfs. The turbidity exceeded 12ntu at Holland Tract on December 25<sup>th</sup>. WOMT met on December 26<sup>th</sup> and Project Agencies (DWR/BR) agreed to implement project operations to achieve an average upstream flow in OMR not to exceed 2,000cfs for a ten day period starting on December 28<sup>th</sup>.

No operational changes were recommended at this time.

**Next DAT Conference Call Tuesday, 1/8/2008, 9:00 am - 11:00 am. 916/657-4111.**

### Chinook Monitoring

#### Upper Sacramento River

Winter-run JPE - NOAA sent out the letter on the winter-run Juvenile Production Estimate (JPE) last week. For 2008 the JPE for winter-run entering the delta is 589,911. The incidental take level for the Delta Fish Facilities is 2% of the winter-run entering the delta which is an expanded loss of 11,798.

Red Bluff Diversion Dam – Passage of all Chinook runs

decreased in the last week. Winter-run passage averaged 435 per day. So far passage this season is 1.47 million.

Late fall Chinook passage averaged 31 per day and spring-run passage averaged 2,600 per day. Fall Chinook passage continues to dominate the catch averaging 33,000 per day. Steelhead passage remains low averaging 10 per day. Flows at Bend Bridge are stable at approximately 5,600cfs but may increase up to a projected 46,000cfs with the approaching storm.

The Coleman Hatchery late-fall production release of approximately 500,000 will be made in Battle Creek January 2 – 4<sup>th</sup>. FWS will also release approximately 650,000 steelhead at Bend Bridge the week of January 7<sup>th</sup>. All of the steelhead will have their adipose fin clipped but will not be coded-wire tagged.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at [http://baydelta.ca.gov/Php/Special\\_Reports/red\\_bluff.php](http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php).

Mill Creek – DFG caught 10 yearling spring-run, 1 fry Chinook, and 1 steelhead. DFG will remove the trap on Thursday due to the approaching storm and will replace it after the flows peak.

Deer Creek – DFG caught 4 yearling spring-run and 2 steelhead. DFG will remove the trap on Thursday and will replace it after the flows peak.

Butte Creek – The catch increased in the last week. DFG caught one yearling and 100 fry Chinook. They also caught two large steelhead (300mm).

GCID – The catch of older juvenile Chinook decreased ranging from 0 to 4 per day. The catch of fry Chinook was similar to the previous week ranging from 5 to 67 per day. DFG also caught 1 adclipped Chinook and 4 steelhead.

Knights Landing – Catch of Chinook remains low. DFG caught 5 older juvenile, 26 fry/smolt, and one adclipped Chinook last week. The flows are stable at approximately 6,260cfs.

## Delta Monitoring

In the last week, FWS caught older juvenile Chinook in the Sacramento River beach seining and at Chipps Island. They also caught 1 splittail but no delta smelt.

Sacramento Kodiak Trawl - 2 sample days, 20 samples. No species of interest.

Lower Sacramento River seine – 1 sample day, 2 samples. FWS caught 1 older juvenile Chinook but no other species of interest.

Sacramento Area seine – 1 sample days, 7 samples. FWS caught 21 fry/smolt Chinook and no other species of interest.

North Delta seine - 1 sample day, 6 samples. FWS caught 1 older juvenile Chinook and no other species of interest.

Central Delta seine - 1 sample day, 9 samples. No species of interest.

South Delta seine - 1 sample day, 6 samples. No species of interest.

Mossdale Kodiak Trawl - 2 sample days, 13 samples. No species of interest.

San Joaquin River seine - 1 sample day, 1 sample. No species of interest.

Chipps Island Midwater Trawl - 6 sample days, 78 samples. FWS caught 4 older juvenile and 5 adclipped Chinook. They also caught 1 splittail. FWS will continue sampling 7 days per week until January 5<sup>th</sup>. They will resume sampling 3 days per week until January 15<sup>th</sup>. From January 15<sup>th</sup> to February 15<sup>th</sup> they will again sample 7 days per week as part of the January Delta Action 8 experiment.

Bay seine - 1 sample day, 5 samples. No species of interest.

## Delta Smelt Monitoring

FMWT – The December delta smelt index and the complete FMWT survey index will be available next week. The indices for the September, October, and November surveys are posted at <http://www.delta.dfg.ca.gov/data/mwt/>.

Spring Kodiak Trawl – DFG will start the first Spring Kodiak trawl survey on January 7<sup>th</sup>.

Judge Wanger's Order – In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.a(1) on December 28<sup>th</sup>. This action commences within 3 days of the turbidity exceeding 12ntu at one of three locations, Prisoner's Point, Holland Tract, or Victoria Canal unless Sacramento River flows at Freeport exceed 80,000cfs. The turbidity exceeded 12ntu at Holland Tract on December 25<sup>th</sup>. WOMT met on December 26<sup>th</sup> and Project Agencies (DWR/BR) agreed to implement project operations to achieve an average upstream flow in OMR not to exceed 2,000cfs for a ten day period starting on December 28<sup>th</sup> and ending on January 6<sup>th</sup>.

Action 1.B.3.b(1) is immediately triggered following the current action. This action will begin on January 7<sup>th</sup> and continue until there is evidence of spawning. Under the Action 1.B.3.b(1) the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs using a 7-day running average.

#### Salvage Facilities –

Chinook – CVP observed one adclipped Chinook last week. No Chinook have been salvaged at SWP yet this season.

Steelhead – None.

Delta smelt – None.

Splittail – None.

Longfin smelt – None.

Sturgeon – None.

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

## Operations

### SWP -

CCFB – 1,400cfs. DWR reduced pumping to meet the 10 day OMR objective. They may increase pumping slightly over the next few days.

Oroville – 1,450cfs

X2 - > 81 km

E/I - 3-day ~18%

San Luis - ~664taf. SWP share of San Luis capacity is 1,062 taf.

EWA - The projected debt for the end of the year is approximately 40 to 50taf for SWP and approximately 5 to 10taf for CVP. The operators are currently assessing the costs of the OMR action.

### CVP -

Tracy PP – 1,000cfs. BR reduced pumping to meet the 10 day OMR objective. They may increase pumping slightly over the next few days.

DCC - closed. Flows at Freeport could possibly reach 30,000cfs on Sunday 12/6.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 4,300cfs

Nimbus – 1,150cfs

Goodwin – 280cfs

San Luis - 649taf. CVP share of San Luis capacity is 966 taf.

### Flows

Sacramento River at Freeport ~ 10,654cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 1,331cfs

Delta Outflow ~ 8,920cfs. The 7-day average is 8,569cfs.

Old & Middle River flow ~ -458cfs for 1/1. The 10-day average is -722cfs.

Temperature – (daily average – 1/1)

Antioch ~ 8.0C  
Rio Vista ~ 7.6C  
Mossdale ~ 8.2C  
3-Station Average ~ 7.9C

#### Delta Water Quality

The Delta is in excess conditions due to OMR fish action objective. Salinity levels are improving from last week but still remain close to the concern levels. The Project operators will continue to watch salinity levels closely as the low pressure system moves in this week.

#### January Water Quality Standards –

Delta Outflow – monthly average  $\geq 4,500\text{cfs}$ , 7-day average  $\geq 3,500\text{cfs}$ .

Delta Cross Channel – The gates may be closed for up to 45 days for the protection of Chinook between November 1<sup>st</sup> and January 31<sup>st</sup>.

E/I Ratio – 65%

Contra Costa Canal – CI  $\leq 250\text{ mg/L}$ . In addition, CI  $\leq 150\text{ mg/L}$  for 165 days per year. This portion of the standard was met in 2007 and will start again January 1, 2008.

South Delta – 30-day average EC  $\leq 1.0$ .

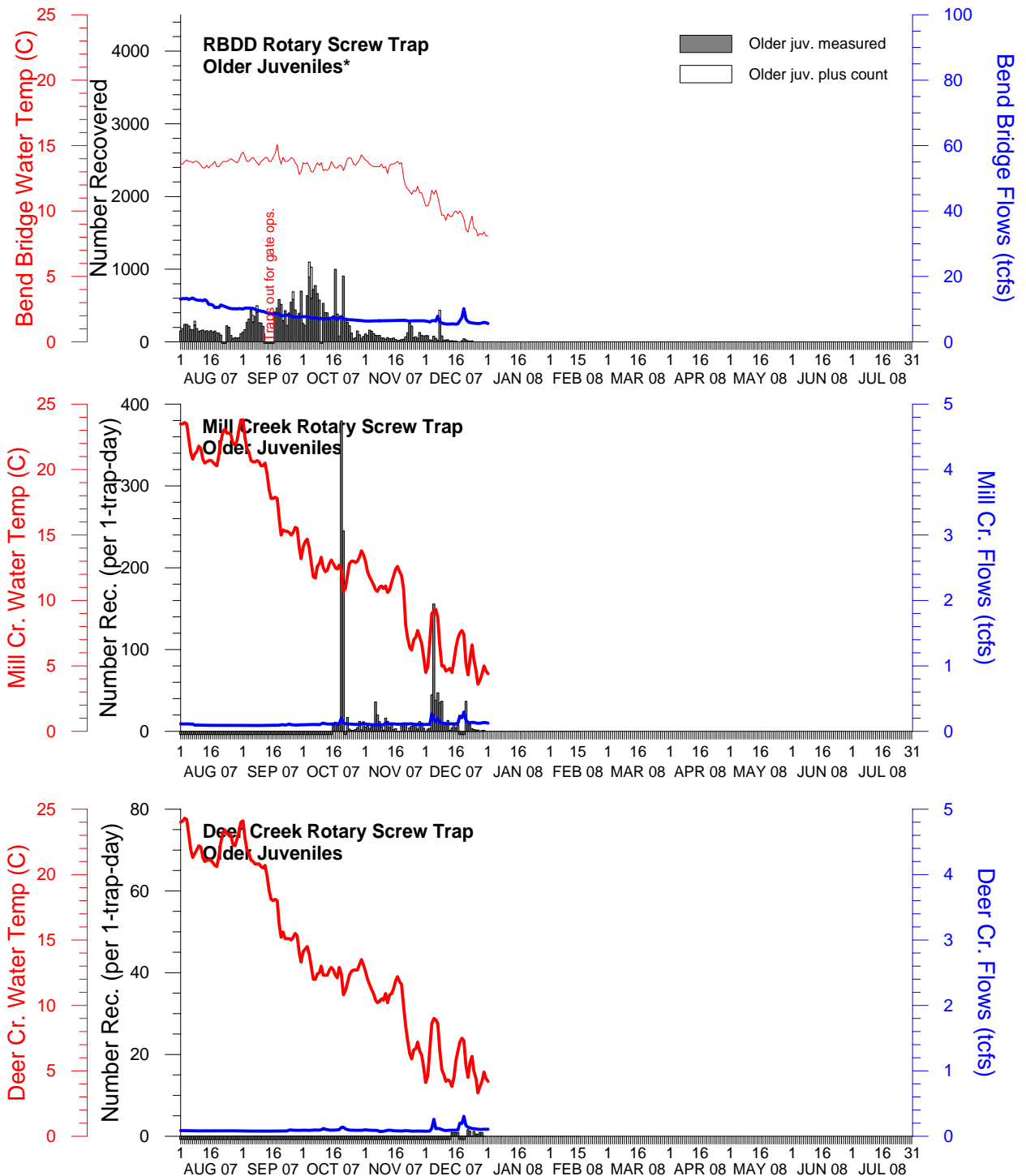
Suisun Marsh -  $\leq 12.5\text{mS/cm}$ .

Final copies of the DAT notes are now available on the CALFED Operations website at <http://wwwoco.water.ca.gov/calfedops/datsummaries.html>.

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# NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

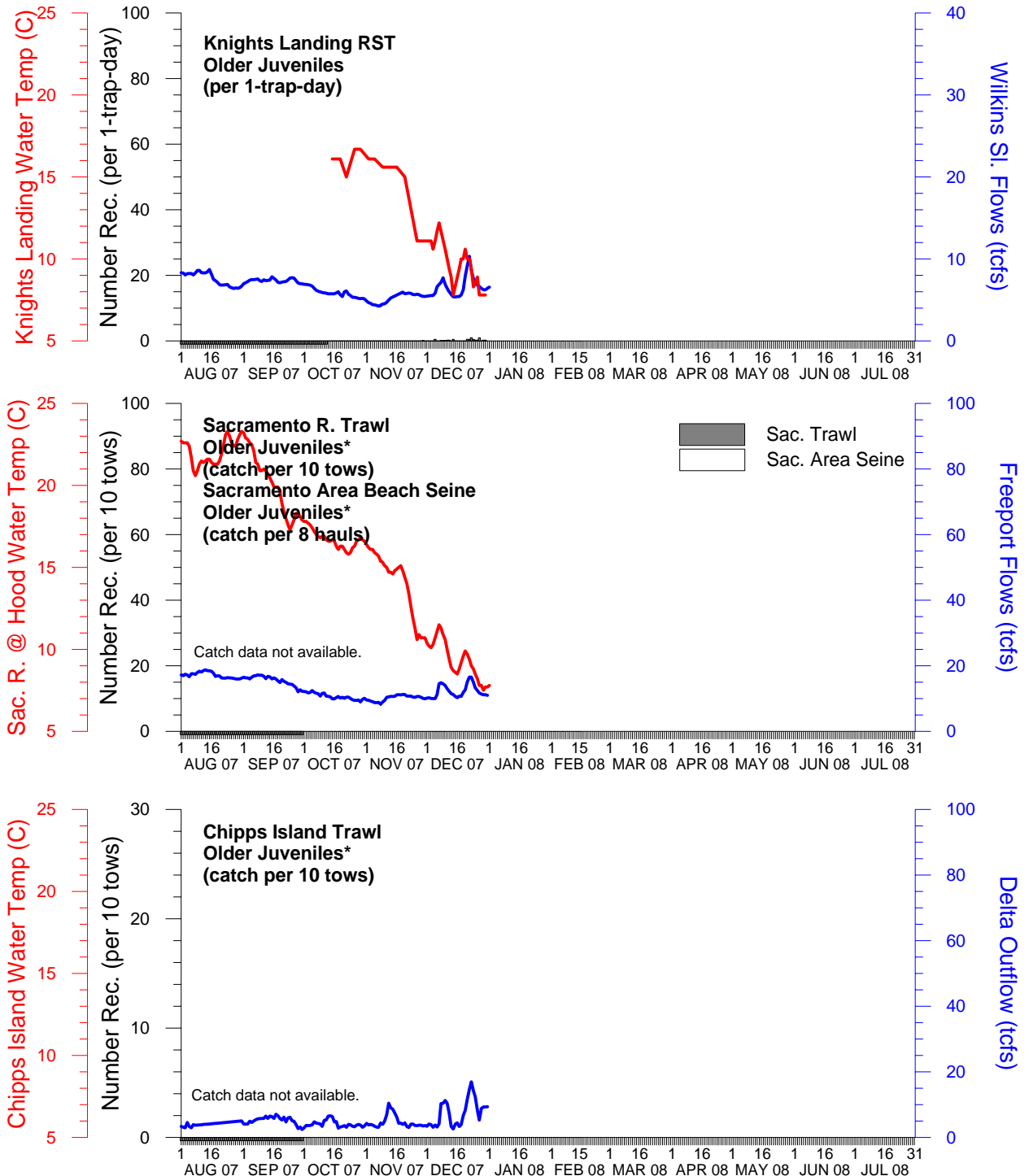


DWR-DES 02 JAN 2008

Preliminary, subject to revision

\*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

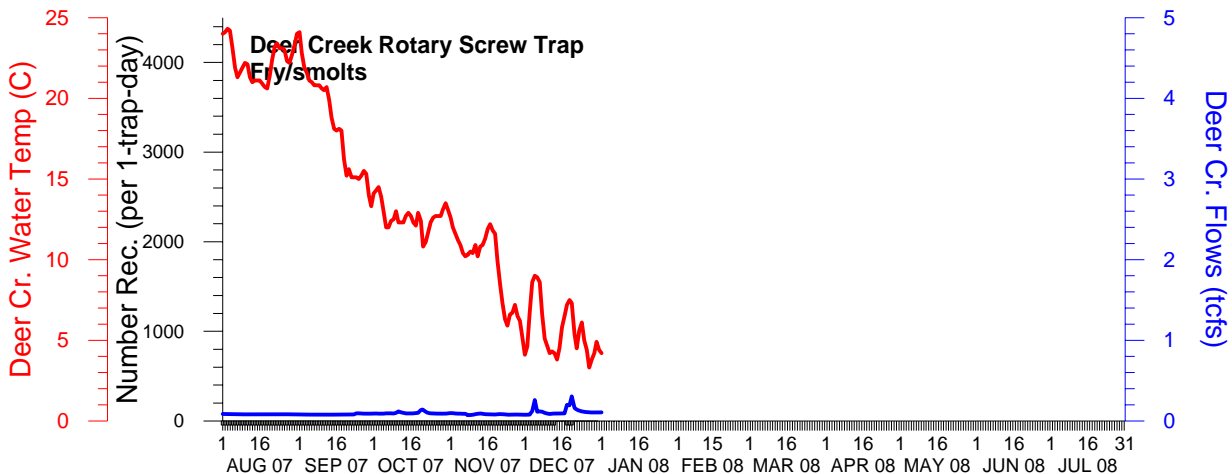
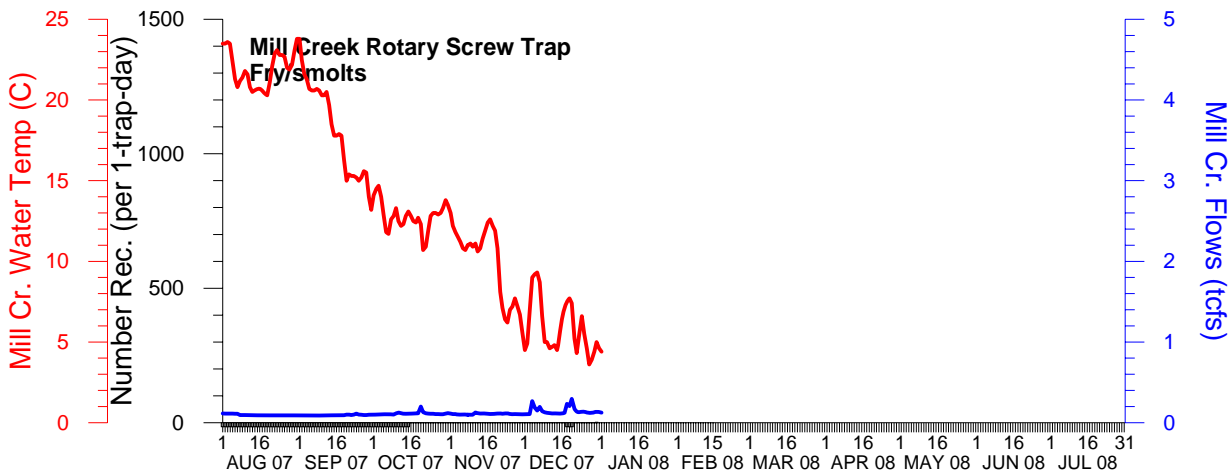
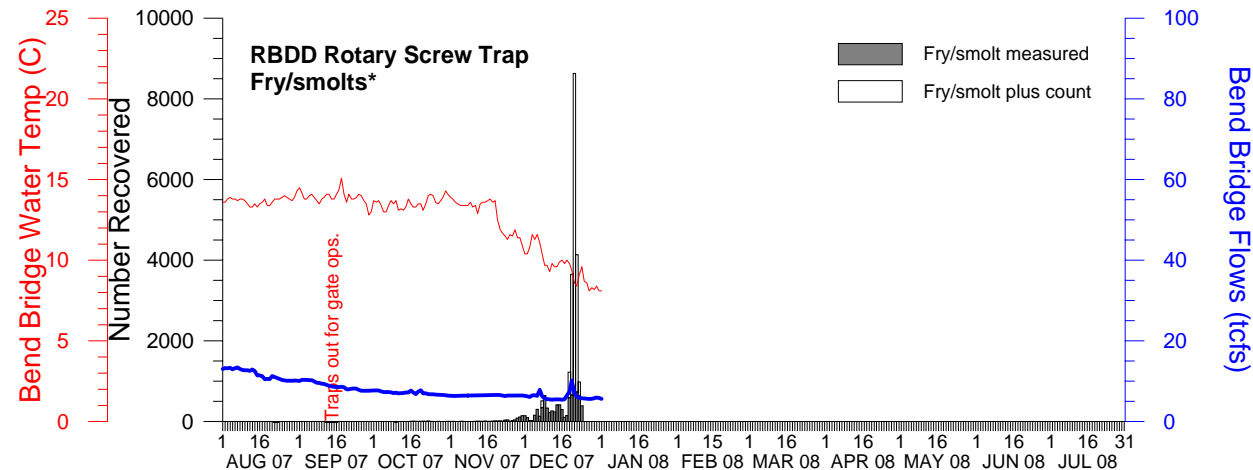
# NUMBER OF JUVENILE CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 02 JAN 2008  
Preliminary, subject to revision  
\*Plus counts not included



# NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

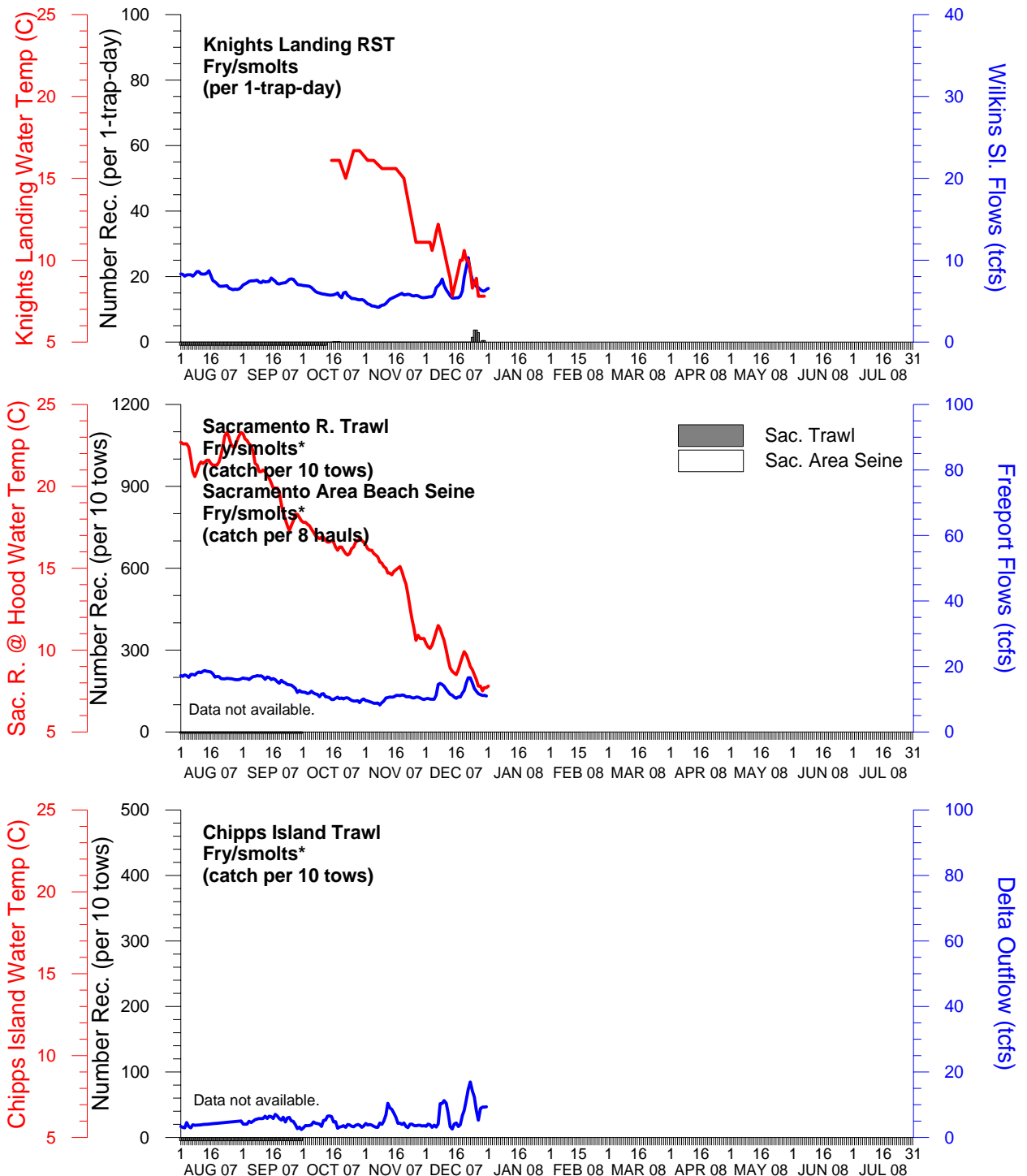


DWR-DES 02 JAN 2008

Preliminary, subject to revision

\*Fry/smolts defined as all Chinook below the minimum winter run length line (Frank Fisher model)

# NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 02 JAN 2008  
Preliminary, subject to revision  
\*Plus counts not included

## **Data Acquisition:**

All the data is preliminary and subject to revision.

The catch data for RBDD, Sacramento River Trawl, Sacramento Area Beach Seine, and Chipps Island were obtained from the BDAT website: <http://baydelta.ca.gov> .

The catch data for Mill and Deer creeks were obtained directly from DFG, Red Bluff Juvenile Salmon Monitoring Project.

The catch data for Knights Landing were obtained directly from DFG, Native Anadromous Fish & Watershed Branch.

The hydrology data were obtained from either the CDEC or BDAT websites: <http://cdec.water.ca.gov> or <http://baydelta.ca.gov>.

## **Project Offices:**

Mill Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

Deer Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

RBDD - USFWS, Red Bluff Fish & Wildlife Office

Knights Landing - DFG, Native Anadromous Fish & Watershed Branch

Sacramento Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring

Sacramento Area Beach Seine - USFWS, Stockton Office Juvenile Salmon Monitoring Project

Chipps Island Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring Project